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SOVIET RESEARCE OF ELECTROSIC SEMICORDUCTORS

Activities of various scientific researchers in the various institutes have been summarized. FTI is an abbreviation of the control of the con been summarized. FTI is an abbreviation or Physicotechnical Institute. 1971, Leningred Physicotechnical Institute.

ARSEN'EVA, A. N.

o.1935 -- Studied affect of impurities on community of McO3, VO3, etc. at various temperatures, in collaboration with B. V. Eurohatov. Studied photocommunityity of alkali halides.

ARTSYBLEEV

8.1934 -- Studied photocominetivity of alkali balides.

RICHHIEFERY, D. I.

Worked on diffusion theory of rectfication at Phys Inst, Acad Sci URSE (FIAT).

DAVIDEREO, V. A.

1939 -- Measured Ball's effect in light and darkness at various atures, using more specimen throughout, at LFTI.

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DAVYDOV, B. I.

1935-37 -- Worked on movement of electrons in strong fields.

1940 -- Worked with I. M. Shmushkevich at LFTI on calculation of relation between electron movement and field strength.

regeration in the reflection of a rate of their cities to the calculation of a gradient contribution of the co

1942 -- Studied increase in number of free electrons in semiconductor in strong field. Worked out diffusion theory of rectification at LFTI.

DOSEV, O. V.

1931-40 -- Studied luminescence of crystalline carborundum.

DUMAYEV, Yu. A.

1937-40 -- Worked at LFTI with B. V. Kurchatov on sulfide rectifiers.

FEDCEUS, G. A.

1937-40 -- Worked with B. I. Lyashenko at Physics Inst, Acad Sci, Ukrainian SSR on low-temperature conductivity.

FRENKEL', Ya. I.

1931-32 -- Theoretical studies of quantum effect.

1936 -- Criticized application of Blokh-Payerl's electronic theory to momentallic crystals. Studied Dember effect. Studied movement of electrons in crystals.

CHYMDAN, D. S.

1938 -- Worked at Kiev on sulfide-silver photoelectric cells.

CHIEFER, B. N.

1935-40 -- Worked with Ya. P. Maslakovets and M. S. Swinskiy in LFTI on thermoelectric phenomena.

BOHE, A. F., Acad

1904-22 -- Worked on ionic conductivity, partly with V. K. Roentgen in Manich, partly at Petrograd Polytech Inst.

1931-34 -- Theoretical study of quantum effect.

1937-38 -- Worked with A. V. Toffe on behavior of conductors in strong fields. Worked with A. V. Toffe on relation between rectification and contact potential difference between metallic electrons and semiconductor.

ICHTE, A. V.

1937-30 -- Worked with Acad A. F. Inffe on behavior of confuctors in strong fields. Worked with Acad A. F. Inffe on relation between rectification and contact potential difference between metallic electrode and semiconfuctor.

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KIKOIN, I. R.

1932 -- Measured Hall effect in cuprous oxide with M. W. Noskov at LFTI.

1934 -- Worked with M. N. Noskov at Sverdlovsk (Ural FTI) on Hall effect.

KOLONIYETS, B. T.

1938 -- Designed sulfur-thallium photoelectric cells at IFTI.

KOMPANEIYETS, A.

1934 -- Worked with L. D. Landau at LFTI on movement of electrons in strong fields.

EURCHATOV, B. V.

1935 -- Worked with V. P. Zhuze at LFTI on electroconductivity of currous oxide.

c.1935 -- Studied effect of impurities on conductivity of MoO3, WO5, etc., at various temperatures in collaboration with A. H. Arsen'eva.

1937-40 -- Worked at LFTI with Yu. A. Dunayev on sulfide rectifiers.

LAMDAU, L. D.

19th -- Worked with A. Kompaneyets at LFTI on movement of electrons in strong fields.

c.1935 -- Published small but important note on theory of free electrons in ideal crystalline lattice. Studied Dember effect.

TARRESPEY, V. Yo.

. 1940 -- Worked at Kiev on electromotive force of thermoelectric cell.

LEVIESCE, A. Z.

0.1940 -- Worked with P. V. Sharevskiy at LFTI on rectifiers.

LIFSHIEB, To. M.

c.1940 -- Studied Dember effect.

LUCIDSKIY, P. I.

c.1917 -- Observed Ball's effect in photoconductivity of salt.

LYASERENCO, B. I.

1937-40 -- Worked with G. A. Fedorus at Phys Inst, Acad Sci, Ukrainian SSR on low-temperature conductivity.

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MASLAKOVETS, Yu. P.

1931 -- Studied photoelectric cells at LFTI.

1935-40 -- Worked with B. M. Gokhberg and M. S. Sominskiy at LFFI on thermoelectric phenomena.

MOLDAVER, T. I.

c.1940 -- Worked in factory laboratory on rectifiers.

MASLEDOV, D. N.

1935 -- Worked with L. M. Hemenov at LFTI on low-temperature conductivity.

MERCHOV, L. M.

1935 -- Worked with D. M. Masledov at LATI on low-temperature conductivity.

MOSKOOV, N. N.

1932 -- Measured Hall effect in cuprous oxide with I. K. Kikoin at IFTI.

1934 -- Worked with I. K. Kikoin at Swerdlovak (Ural FTI) on Hall effect.

PEKAR', S. I.

Worked at Kiev on diffusion theory of rectification.

REME, V. T.

c.1940 -- Worked in factory laboratory on rectifiers.

RUBINOV, L. I.

1934 -- Worked at LFTI, measuring electroconductivity of carborundum.

SEAREVEKIY, P. Y.

0.1940 -- Worked at LFTI. Produced currous exide with normal electronic conductivity. Worked with A. Z. Levinson at YFTI on rectifiers.

SEDIOSEKEVICE, I. N.

2940 -- Woxing with B. I. Davydov on calculating relation between electron movement and field strangth.

SCHIMSKIY, M. S.

1935-40 -- Worked with B. K. Gokhberg and Tu. P. Maslakovets at LTTI on thermoslectric phenomena.

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	Studied pho	toconductivi	ity of alkali-halide (crystals.	•		
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